

ARZUMANOV, G. S.

Arzumznov, G. S. - "On some Expressions of the class of H. Bohr's almost periodic functions," Trudy nauch.-issled. in-ta matematiki i fiziki (Azer baydzh, gos. un-t-im. Kirova), Vol 1, 1949, p. 2749

SO: U-5241, 17 December 1953, (Letopis 'Zhurnal 'nykh Statey, No. 26, 1949)

MURAV'YEV, I.M., prof.; ARZUMANOV, Sh.K., inzh.; ARKHANGEL'SKIY, N.K.,
inzh.; BAZLOV, M.N., inzh.; GROBSHTKYN, S.R., kand.tekhn.nauk;
ZHUKOV, A.I., dotsent, MAKHMUDBEKOV, E.A., inzh.; MOVSSESOV,
N.S., inzh.; MURAV'YEV, V.M., inzh.; NEGRAYEV, V.F., kand.tekhn.
nauk; PLOTEL', S.G., kand.tekhn.nauk; PODGORNOV, M.I., inzh.;
RUBACHEV, G.N., kand.ekon.nauk; SULTANOV, D.K., inzh.; SHTER,
B.O., inzh.; SAVINA, Z.A., vedushchiy red.; POLOSINA, A.S.,
tekhn.red.

[Reference book on petroleum production] Spravochnik po dobychе
nefti. Moskva, Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi
lit-ry. Vol.3. 1960. 712 p. (MIRA 13:5)
(Oil fields--Production methods)

ARZUMANOV, Sh. M.; PELIAKH, M. A.

ARZUMANOV, Sh. M.; PELIAKH, M. A.

Irrigation Farming

Methods of irrigating vineyards. Vin.
SSSR 12 no. 8, 1952.

Monthly List of Russian Accessions, Library of Congress, December 1952. UNCLASSIFIED.

KADYROV, A.M.; SAPOZHNIKOV, V.S.; ARZUMANOV, Sh.P., redaktor.

[Using booster compressors in oil industry] Opyt primeneniia dozhim-
nykh kompressorov v neftianoi promyshlennosti. Moskva, Gostoptekhn-
izdat, 1950. 43 p.
(Oil wells—Gas lift) (Compressors)

(MIRA 8:4)

"APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000102320007-6

ARZUMANOV, V.N.; DEKHTYAREV, V.S.

Suppressing plate modulation in ratio detectors. Trudy LPI no.194;
175-183 '58. (MIRA 11:11)
(Radio, Frequency modulation--Receivers and reception)

APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000102320007-6"

ACC NR: AP7001312

SOURCE CODE: UR/0057/66/036/012/2171/2174

AUTHOR: Bonch-Bruyevich, A. M.; Petrun'kin, V. Yu.; Arzumanov, V. N.; Yesepkina, N. A.; Imas, Ya. A.; Krushalov, S. V.; Pekhomov, L. N.; Chernov, V.A.

ORG: none

TITLE: A study of a neodymium glass laser with external feedback

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 36, no. 12, 1966, 2171-2174

TOPIC TAGS: solid state laser, glass laser, neodymium glass laser, traveling wave laser, laser r and d

ABSTRACT: A study was made of a traveling-wave external-feedback neodymium glass laser, the experimental setup of which is shown in Fig. 1. The external cavity consisted of four mirrors arranged in a rectangular pattern (1.5 x 0.5 m). The output mirror (5') was 80% reflective and the three other mirrors were 99% reflective. The active medium was a cylindrical glass rod 240 mm long and 25 mm in diameter, total stored energy of 30 kJ. A Faraday-effect cell, consisting of a quartz plate and a polarizer (six plane-parallel Brewster-angle plates) was used to achieve traveling-wave operation. A DFS-8 spectrograph (dispersion 6 Å/mm) and a Fabry-Perot interferometer were used to observe the emission spectra of the laser at various pumping levels and with the Faraday cell in and out of the feedback circuit. It was shown that the emission spectra of traveling-wave lasers are virtually line spectra and

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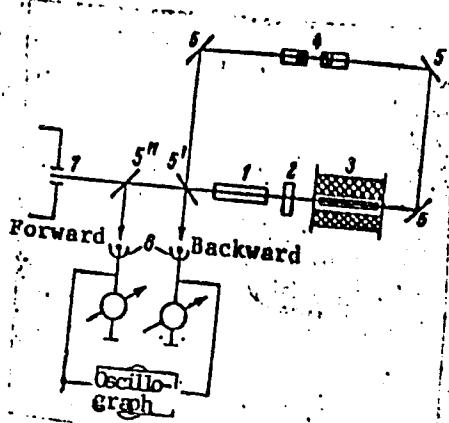


Fig. 1. Experimental setup of a traveling-wave laser

- 1 - Working substance; 2 - quartz plate;
- 3 - Faraday cell; 4 - polarizer;
- 5 - 5" - mirrors; 6 - photocells;
- 7 - spectrograph slit.

that the spiking sequence is better ordered than that of standing-wave lasers. A reduction of the spectrum to a single narrow line, which has been observed in traveling-wave ruby lasers, was not encountered in the present laser. Such narrowing in the traveling-wave operation will not occur unless the luminescence line of the working substance broadens, as it does in rubies. The high-intensity lines observed in the experiments corresponded to the uniform broadening of luminescence lines of the dopant. Orig. art. has: 5 figures.
 SUB CODE: 20/ SUBM DATE: 01Jun66/ OTH REF: 003/ ATD PRESS: 5110 [YK]
 Card 2/2

33581
S/194/61/000/012/093/097
D271/D301

6,440
AUTHORS:

Arzumanov, V. N. and Tsikin, I. A.

TITLE:

The influence of interference on the operation of the synchronizing system of a double-sideband receiver

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika, no. 12, 1961, 9, abstract 12K55 (Nauchno-tekh. inform. byul. Leningr. politekhn. in-t, 1960, no. 9, 3-11)

TEXT: The operation is studied of a receiver in a telecommunication system based on double-sideband AM signal with a suppressed carrier, with interference at the receiver input. It is shown that: 1) Use of usual integrating RC filters with a small time constant T helps to improve the suppression of the interfering voltage only when audio frequencies Ω are relatively high; 2) when T is increased, filter discrimination is improved in the region of lower audio frequencies Ω and at the same time some components of the interference spectrum are enhanced and the pulling-in band is made narrower; 3) use of a proportional integrating filter with a great time

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The influence of ...

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constant considerably improves the filter action in the modulation band. It is pointed out that it is possible to achieve pulling-in band nearly identical with the locking band, when time constants are sufficiently large. The experimental study of the system behavior in the pulling-in and locking conditions confirmed that the obtained results are qualitatively correct. 3 references. [Abstractor's note: Complete translation.]

Card 2/2

614400

85485

S/108/60/015/011/008/012
B019/B063

AUTHORS: Arzumanov, V. N. and Tsikin, I. A., Members of the Society

TITLE: A Method of Receiving Double-band Amplitude-modulated Signals
With a Suppressed Carrier Frequency

PERIODICAL: Radiotekhnika, 1960, Vol. 15, No. 11, pp. 50-55

TEXT: The authors studied the mode of operation of the circuit shown in Fig. 1 (block diagram) which is designed for suppressing the carrier frequency of double-band amplitude-modulated signals. They derive the differential equation

$$\tau \frac{d^2\theta}{dt^2} + \frac{d\theta}{dt} - \Delta\omega_y \sin 2\theta = \Delta\omega_{carr.} \quad (5)$$

which describes the mode of operation of the circuit. Solutions of this differential equation are graphically represented in Fig. 2. A specific feature of (5) is the dependence of $\Delta\omega_y$ on the amplitude of the signal received. A decrease of the signal amplitude leads to a semistable cycle. A differential equation is given for the reception of speech signals:

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85485

A Method of Receiving Double-band Amplitude-modulated Signals With a Suppressed Carrier Frequency

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B019/B063

$$\tau \frac{d^2\theta}{dt^2} + \frac{d\theta}{dt} - \Delta\omega_y^{20} - \Delta\omega_{carr.} + \Delta\omega_0 \sin \Omega t \quad (7)$$

This differential equation describes the mode of operation of the corresponding receiver. The integration of this equation is briefly discussed, and the conditions are given under which there is no synchronization in the system. Finally, the authors discuss the effect of noise and selective fading of signals. Figs. 5 and 6 show the results of tests of the receiving system described by the authors. Besides, the dependence of the receiving band and of synchronization upon the frequency and amplitude of the modulated signal voltage is graphically shown in these figures. There are 6 figures and 4 references: 2 Soviet and 2 US.

SUBMITTED: April 26, 1960

Card 2/4

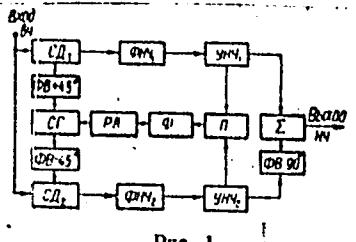


Рис. 1

ARZUMANOV, V.N.; KUSAKINA, A.A.

Portable stimulator for use in the field. Tsitologija 2 no.4:
501-502 Jl-Ag '60. (MIRA 13 :9)

1. Leningradskiy politekhnicheskiy institut i Institut tsitologii
AN SSSR, Leningrad.
(PHYSIOLOGICAL APPARATUS)

37919

S/108/62/017/006/006/007
D407/D301

6.4400

AUTHORS: Model', Z.I. and Arzumanov, V.N., Members of the Society (see Association)

TITLE: Two-side-band radio communication without carrier frequency

PERIODICAL: Radiotekhnika, v. 17, no. 6, 1962, 42 - 53

TEXT: The design principles of two-side-band transmitters and receivers are considered. The merits and shortcomings of single-band communication are compared. Two-band transmitters: Three different design principles are possible: a) The carrier is suppressed in the low-power cascade, which is followed by the two-band amplification cascades. Such a transmitter differs little from a single-transmitter. The above design principle ensures small nonlinear distortions. b) All the high-frequency cascades, except the terminal one, operate in the unmodulated regime of class C; the two-band modulation is effected in the terminal cascade. Screen-grid or protective-grid modulation.

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Two-side-band radio communication ...

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is more advantageous than anode modulation. c) Combined signal-modulation: amplitude modulation of the terminal cascade and balanced modulation of one of the low-power cascades. Such a design yields greatest tube-efficiency. With regard to the preservation of the form of the modulated signal, the two-band transmitter is more advantageous than the one-band transmitter (the gain in efficiency ranging from 2 to 5 - fold). This applies to sound transmission. In the case of television, two-band transmission results in a slight gain in efficiency (as compared to AM-transmission). Two-band receivers: Undistorted signal-detection requires carrier reinsertion to an accuracy of a phase. This can be effected by two methods of synchronization. In this connection, a receiver circuit proposed by J.P. Costas (Ref. 1: PIRE, v. 44, no. 12, 1956) is analyzed, as well as several other circuits. The complexity of two-band and single-band receivers is compared. It is found that in this respect the relative merits and shortcomings cancel each other. Automatic gain control in two-band receivers is beset by difficulties. With respect to the signal-to-noise ratio, two-band reception is generally less effective than single-band

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Two-side-band radio communication ...

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reception. J.P. Costas asserts that two-band systems yield better results with regard to long-distance propagation. The authors contest this view. With regard to the influence of noises on signal reception, two-band systems are inferior (this is also opposed to Costas's conclusions). Finally, two-band systems and single-band systems are compared (in brief) with regard to band-width, multichannel operation and the use of AM-equipment in the transitional period. In most fields of communications, two-band systems cannot compete with single-band systems. Exceptions are: a) peripheral communications, b) television, c) those cases in which single-band communications are impossible without pilot signals (such as lowering of frequency stability, influence of Doppler effect, etc.). There are 9 figures. The most important English-language reference reads as follows: J.P. Costas, PIRE, no.4, 1957.

ASSOCIATION: Nauchno-tehnicheskoye obshchestvo radiotekhniki i elektrosvyazi im. A.S. Popova (Scientific and Technical Society of Radio Engineering and Electrical Communications imeni A.S. Popov).

SUBMITTED: Card 3/3 October 30, 1961

ARMANDA, M.A., Cand Med Sci--(disc) "The state of the hormone
pitressin in the process of the complex treatment
of patients suffering from
certain disturbances of the menstrual cycle." Thèse, 1959, 17 pp
(Tashkent State Med Inst), 200 copies (II, 43-53, 106)

64 -

ARZUMANOVА, M.A.

Significance of the hormonal speculum in the prognosis of the curability of patients with juvenile hemorrhages. Izv.AN Uz. SSR.Ser.med. no.5:59-63 '58. (MIRA 12:5)

1. Tashkentskiy gosudarstvennyy meditsinskiy institut,
Akushersko-ginekologicheskaya klinika.
(HEMORRHAGE, UTERINE) (MENSTRUATION) (HORMONES, SEX)

ARZUMANOVА, M.A., assistant

Etiology and complex treatment of juvenile hemorrhage. Med.
zhur. Uzb. no. 9:59-61 S '60. (MIRA 13:10)

1. Iz akushersko-ginekologicheskoy kliniki lechebnogo fakul'teta
(zav. - prof. A.A. Kogan) Tashkentskogo gosudarstvennogo meditsinskogo
instituta.

(HEMORRHAGE)

"APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000102320007-6

ZAKLADNYY, Yevgeniy Mikhaylovich; SHCHEGOLEV, Nikolay Vladimirovich;
ARZUMANOV, N.A., red.; MATVEIEV, A.P., tekhn.red.

[Tales about polymers] Rasskazy o polimerkh, Moskva, Izd-vo
"Sovetskaya Rossiia," 1960, 132 p.

(MIRA 14:4)

(Polymers)

APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000102320007-6"

TOKIN, Boris Petrovich, prof.; ARZUMANOVA, N.A., red.; KUZNETSOVA,
G.I., tekhn.red.

[Phytoncide germkillers] Gubiteli mikrobov - fitontsydy.
Moskva, Izd-vo "Sovetskaya Rossiia," 1960. 195 p.

(MIRA 14:2)

1. Leningradskiy universitet (for Tokin).
(Phytoncides)

ARZUMANOV, N.; NEKHAMKIN, I.

A cool attitude toward "cold" light. Isobr.i rats. no.9:24-27
S '60. (MIRA 13:10)
(Luminèscent substances)

LEONIDOV, Iosif Grigor'yevich; ARZUMANOV^A, N., red.; MARAKASOVA, L.,
tekhn.red.

[Luminophors] Svet nesushchie. Moskva, Izd-vo "Sovetskaya
Rossiya," 1961. 166 p.
(Luminescent substances) (MIRA 14:4)

BORISOV, V.; GORLOV, O.; POZHIDAYEVA, M.G., red.; ARZUMANOVA, N.A.,
red.; KLYUCHEVA, T.D., tekhn. red.

[Life and outer space] Zhizn' i kosmos. Moskva, Izd-vo
"Sovetskaia Rossiia," 1961. 195 p.
(Space science) (MIRA 15:2)

ORLOV, Vladimir Ivanovich, laureat Leninskoy premii; ARZUMANOV,
N.A., red.; MARAKASOVA, L.P., tekhn. red.

[The mighty atom; impressions] Bogatyrskii atom; vpechatle-
niia. Moskva, Izd-vo "Sovetskaia Rossiia, 1962. 173 p.

1. Redaktsiya gazety "Pravda" (for Orlov). (MIRA 15:7)
(Atomic energy)

NIKITOCHKIN, Mikhail Vasil'yevich, zhurnalist; ARZUMANOV, N.A.,
rea.

[I walk through Prague...] Idu Pragou... Moskva, Sovet-
skaia Rossija, 1965. 114 p.
(MIRA 18:8)

NEKHAMKIN, Iosif Grigor'yevich; ARZUMANOV, N.A., red.

[From our special correspondent; 10 reports on what was,
is and will be in science and technology] Ot nashego
spetsial'nogo korrespondenta; 10 reportazhei o tom chto
bylo, chto est' i chto budet v nauke i tekhnike. Moskva,
Sovetskaia Rossia, 1965. 301 p. (MIRA 1817)

BARABASHOV, Nikolay Pavlovich, akademik; ARZUMANOVA, N.A., red.; ROZEN,
E.A., tekhn. red.

[Venus] Venera. Moskva, Izd-vo "Sovetskaia Rossiia," 1961. 38 p.
1. Akademiya nauk USSR (for Barabashov).
(Venus (Planet)) (Space flight to Venus) (MIRA 14:10)

POCHIVALOV, Leonid Viktorovich; ARZUMANova, N.A., red.; SILONOVA,
G.N., tekhn. red.

[Meetings and separations; traveling on foreign roads
with a motorcar and a camera] Vstrechi i rozstaniya;
po chuzhim dorogam s zapiskami knizhkoj s fotoapparatom.
Moskva, Izd-vo Sovetskaja Rossiia, 1963. 132 p.

(MIRA 17:2)

0609/Plant Diseases - Diseases of Cultivated Plants . 0.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 15991
Author : A.A. Arzumanyan
Inst :
Title : Potato Diseases in Stepanavanskiy Rayon of the Armenian SSR.
(O boleznyakh kartofelya v Stepanavanskem rayone Armyanskoy SSR).
Orig Pub : Nauchn. tr. Yerevansk. un-ta, 1956, 54, 127-139.
Abstract : The climatic conditions of Stepanavanskiy Rayon favor the development of fungus and bacterial diseases of potatoes and, consequently, cause losses in some years which reach 25-30% of the yield. A routine examination of the potato is made, and its most harmful diseases are elucidated. It has been established that the percentage of infections through phytophthora, dry spot,

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- 5 -

ARZUMANIAN, A.A.

Storage of seed potatoes in Stepanavan District. Nauch. trudy Erev.
vn. 69 Ser. biol nauk no. 8:43-46 pt. 1 '59. (MIRA 14:4)

1. Kafedra botaniki Yerevanskogo gosudarstvennogo universiteta.
(STEPANAVAN DISTRICT--SEED POTATOES--STORAGE)

ARZUMANOVА, Ye.M.

New representatives of the genus *Inoceramus* in the Lower Campanian stage
of the eastern Kopetdag. Izv. AN Turk. SSR. Ser. fiz.-tekhn., khim. i geol.
nauk no.1:100-110 '65. (MIRA 18:7)

1. Institut geologii Gosudarstvennogo geologicheskogo komiteta SSSR.

ARZUMANOVA, Ye.M.

Some representatives of the family Inoceramidae in Upper Cretaceous sediments of the western Kopetdag. Izv. AN Turk. SSR. Ser. fiz.-tekhn., khim. i geol. nauk no. 3:102-110 '64

(MIRA 18:1)

ARZUMANYAN, A.

The nature of the present-day epoch. Komm.Vooruzh.Sil 1 no.2:17-25
0 '60. (MIRA 14:8)

1. Chlen-korrespondent Akademii nauk SSSR.
(Communism) (World politics)

RYMALOV, Viktor Vladimirovich; TYAGUNENKO, Viktor Leonidovich; ARZUMANYAN, A.A., otv. red.; MAKAROV, V., red.; DARONYAN, M., mladshiy red.; MOSKVINA, R., tekhn. red.

[Underdeveloped countries in the world capitalist economy] Slaborazvitye strany v mirovom kapitalisticheskem khoziaistve. Moskva, Izdvo sotsial'no-ekon. lit-ry, 1961. 494 p. (MIRA 14:12)

1. Chlen-korrespondent AN SSSR (for Arzumanyan).
(Underdeveloped areas) (Economic conditions)

MAYDANIK, K.L., kand. ist. nauk; KISLYAKOV, V.S., kand. ist. nauk;
PETRANOVICH, I.M., kand. ekon. nauk; PESCHANSKIY, V.V., kand.
ist. nauk; USVYATSOV, A.Ye., kand. ekon. nauk; KHOLODKOVSKIY,
K.G.; BURDZHALOV, F.E.; VIL'KHOVCHENKO, E.D.; MALOV, V.N.;
PETROVA, Z.A.; ARZUMANIAN, A.A., glav. red.; TIMOFEYEV, T.T., zam.glav.
red.; RYMALOV, V.V., red.; LYUBIMOVA, V.V., red.; SHEVLYAGIN,
D.P., red.; VEYNBERG, F., red.; DANILINA, A., tekhn. red.

[Labor movement in capitalist countries, 1959 - 1961] Rabochee
dvizhenie v kapitalisticheskikh stranakh, 1959 - 1961 gg. Mo-
skva, Gos. izd-vo polit. lit-ry, 1961. 583 p. (MIRA 14:12)

1. Akademiya nauk SSSR. Institut mirovoy ekonomiki i mezhdu-
rodnykh otnoshenii. 2. Sektor mezhdunarodnogo rabochego i kom-
munisticheskogo dvizheniya Instituta mirovoy ekonomiki i mezhdu-
narodnykh otnosheniy (for Maydanik, Kislyakov, Petranovich,
Peschanskiy, Usvyatsov, Kholodkovskiy, Burdzhalov, Vil'khovchenko,
Malov, Petrova).

(Labor and laboring classes)

TRAKHTENBERG, Iosif Adol'fovich, akademik; ARZUMANYAN, A.A., red.; BREGEL', E.Ya., doktor ekon. nauk, red.; KRONROD, Ya.A., doktor ekon. nauk, red.; MENDEL'SON, L.A., doktor ekon. nauk, red.; ANIKIN, A.V., kand. ekon. nauk, red.; SHENAYEV, V.N., kand. ekon. nauk, red.; KOLOSOVA, T.A., red.; BAKOVETSKAYA, V.S., red. izd-va; NOVICHKOVA, N.D., tekhn. red.; ZUDINA, V.I., tekhn. red.

[Currency circulation and credit under capitalism] Denegarnoe obrazhenie i kredit pri kapitalizme. Moskva, Izd-vo Akad. nauk SSSR, 1962. 779 p. (MIRA 15:9)

1. Chlen-korrespondent Akademii nauk SSSR (for Arzumanyan).
(Finance)

KATS, Adol'f Iosifovich; ARZUMANYAN, A.A., akademik, oty. red.;
KEREMETSKY, Ya.N., red.; PRUSAKOVA, T.A., tekhn. red.;
DOROKHINA, I.N., tekhn. red.

[Condition of the U.S. proletariat under imperialism] Polozenie
proletariata SShA pri imperializme. Moskva, Izd-vo Akad. nauk
SSSR, 1962. 603 p. (MIRA 15:12)
(United States—Labor and laboring classes)

ARZUMANYAN, A.A., akademik

Important problems of the development of world economy. Vest.AN
SSSR 32 no.8:14-22 Ag '62. (MIRA 15:8)
(Economic research)

ARZUMANIAN, A.A., akademik, red.; RUMYANTSEV, A.M., red.; SHAMBERG, V.M., red.; ZHILIN, Yu.A., red.; ARDAYEV, G.B., red.; KUCHINSKIY, N.N., red.; KATSMAN, G.V., red.

[Problems of modern capitalism and the working class] Problemy sovremennoego kapitalizma i rabochii klass; materialy obmena mneniiami, provedennogo teoreticheskim i informatsionnym zhurnalom kommunisticheskikh i rabochikh partii "Problemy mira i sotsializma" i Institutom mirovoi ekonomiki i mezhdunarodnykh otnoshenii Akademii nauk SSSR. Prague, Izd-vo "Mir i sotsializm," 1963. 610 p. (MIRA 16:7)

1. Chlen-korrespondent AN SSSR (for Rumyantsev).
(Capitalism) (Labor and laboring classes)

ARZUMANIAN, A.A., akademik; BERG, A.I., akademik; ZHUKOV, Ye.M., akademik;
SEMELEV, N.N., akademik; VINOGRADOV, V.V., akademik; FRANTSEV, Yu.P.;
SHCHERBAKOV, D.I., akademik; ANISIMOV, I.I.; GATOVSKIY, L.M.;
IOVCHUK, M.T.; FEDOSEYEV, P.N., akademik; ROMASHKIN, P.S.; KONSTANTINOV,
F.V.; MITIN, M.B., akademik; YELYUTIN, V.P.; PLOTNIKOV, K.N.;
PRUDENSKIY, G.A.; YUDIN, P.F., akademik; RYBAKOV, B.A., akademik;
KONSTANTINOV, B.P., akademik; KHVOSTOV, V.M.; KEDROV, B.M.; MARKOV,
A.A.; BAISHEV, S.B., akademik; ALEKSEYEV, M.N., prof.; SKAZKIN, S.D.,
akademik; ALEKSANDROV, A.D.; POSPELOV, P.N., akademik

Discussion of L.F. Il'ichev's report. Vest. AN SSSR 32 no.12:19-50
D '62. (MIRA 15:12)

1. Chleny-korrespondenty AN SSSR (for Aleksandrov, Frantsev,
Anisimov, Gatovskiy, Iovchuk, Romashkin, Konstantinov, Yelyutin,
Plotnikov, Prudenskiy, Khvostov, Kedrov, Markov). 2. AN Kazakhskoy
SSR (for Baishev).

(Research)

ARZUMANYAN, Ashot Martirosovich; VIRAYAN, G., red.; LAZABEV, S.,
tekhn, red.

[Friendship; articles, sketches, studies, reminiscences,
letters on Armenian-Russian ties] Druzhba; stat'i, ocherki,
issledovaniia, vospominaniia, pis'ma ob armiano-russkikh
sviaziakh. Erevan, Armianskoe gos.izd-vo. Book 1, 1960,
703 p. Book 2, 1960. 592 p. (MIRA 14:4)
(Armenia--Relations (general) with Russia)

ARZUMANYAN, A.M.

Development of geological sciences in Soviet Armenia (from the history of a creative cooperation of Armenian and Russian Scientists). Iz ist.est. i tekh, 2:254 '62.

(MIRA 18:4)

MOVSESYAN, M.A.; ARZUMANIAN, A.P.

Changes in the differential and total leukocyte count brought about by X-ray irradiation of the liver area. Izv. AM Arm.SSR.Biol.i sel'khoz.nauki. 5 no.9:53-60 '52.
(MLRA 9:8)

1. Institut rentgenologii i onkologii Ministerstva zdravookhraneniya Armyanskoy SSR.
(X RAYS--PHYSIOLOGICAL EFFECT) (LEUKOCYTES) (LIVER)

ATSAGORTSYAN, Z.A., kand. tekhn. nauk; MARTIROSYAN, O.A., kand. tekhn. nauk; ARZUMANYAN, G., red.; KHACHATRYAN, S., tekhn. red.

[Tuffs and marbles of Armenia] Tufy i mramory Armenii. Erevan,
Armgosizdat, 1962. 157 p. (MIRA 16:2)
(Armenia--Volcanic ash, tuff, etc.)
(Armenia--Marble)

MARKOSYAN, M., kand.tekhn nauk; ARZUMANIAN, G., inzh.

New heat-resistant high-frequency wires. Prom.Arm. 4th
no.3:36-39 Mr '61. (MIRA 14:6)

1. Armyanskiy filial Vsesoyuznogo nauchno-issledovatel'skogo
instituta elektromekhaniki (for Arzumanyan).
(Electric wire)

ARZUMANIAN, G.; KABALALIYEV, Yu.; OGANESYAN, K.

Calculation and experimental testing of the permissible
load of electric wires. Prom.Arm. 5 no.11:58-60 N '62.

1. Armyanskii filial Vsesoyuznogo nauchno-issledovatel'skogo
instituta elektromekhaniki.
(MIRA 15:12)

(Electric wire)

ARZUMANIAN, G.A.

Elimination of sparking in deformation measuring instruments to
be switched in an electric circuit. Izv.AN Arm.SSR.Ser.FMET nauk 1
no.4:355-357 '48. (MLRA 9:8)

1. Institut stroitel'nykh materialov i sooruzheniy Akademii nauk
Armyanskoy SSR.
(Strain gauges) (Electric instruments)

ARZUMANIAN, G.A.

Study of wet impregnation of wood with a solution of sodium fluoride.
Izv.AN Arm.SSR.Ser.FMFT nauk 5 no.3:59-85 '52. (MLRA 9:8)

1. Institut stroitel'nykh materialov i sooruzhenii AN Armyanskoy
SSR.

(Wood Preservatives) (Sodium fluoride)

ARZUMANYAN, G.A.

Study of some Armenian chemical-industry waste products as possible
wood preservers. Izv. AN Arm. SSR Ser. FMET nauk 6 no.5/6:165-176
S-D '53. (MLHA 8:2)

1. Institut stroitel'nykh materialov i sooruzheniy Akademii nauk
Armyanskoy SSR.
(Wood preservation)(Armenia--Waste products)

GURZADYAN, G.A.; MIRZOYAN, L.V., redaktor; ARZUMANIAN, G.A., redaktor;
KAPLANYAN, M., tekhnicheskiy redaktor

[Problems in the dynamics of planetary nebulae] Voprosy dinamiki
planetarnykh tumannosteii. Erevan, Izd-vo AN Armianskoi SSR, 1954.
210 p.

(Nebulae) (MLRA 9:2)

ARZUMANYAN, G.A.

Investigation of sodium monochromate industrial waste as a potential antiseptic agent. Izv.AN Arm.SSR.Ser.FMET 8 no.6:75-85 N-D '55.

(MIRA 9:7)

1.Institut strelitel'nykh materialov i sooruzheniy AN Armyanskoy SSR.
(Sodium chromates) (Antiseptics)

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APPROVED FOR RELEASE: 06/05/2000

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ARZUMANYAN, G.A.

Obtaining pure fungus cultures from affected wood. Dokl. AN Arm.
SSR 21 no.4:189-192 '55.
(MLRA 9:3)

1. Institut stroitel'nykh materialov i sooruzheniy Akademii nauk
Armyanskoy SSR. Predstavlen V.O. Gulikyanom.
(Wood-decaying fungi)

Country : USSR
Category : Plant Diseases. Diseases of Forest Species. 0
Abs Jour : RZhBiol., No 6, 1959, No 25183
Author : Arzumanyan, G. A.
Inst : AS ArmSSR.
Title : Relative Resistance of the Wood of Certain
Tree Species of Armenia to the Filmy House
Fungus (*Coniophora cerebella* Schroet.).
Orig Pub : IZv. AN ArmSSR, Ser. tekhn. n., 1957, 10, No. 5,
83-88
Abstract : At the Institute of Building Materials and
Installations of the Academy of Sciences of
ArmSSR, the wood resistance of the local spe-
cimens of juniper, linden, aspen, hackberry,
elm, eastern oak, beech and poplar to *C. Cere-*
bella was tested. The wood of juniper and oak
appeared to be the least resistant (the speci-
mens of the latter two were not of local ori-

Card : 1/2

ARZUMANIAN, G.A.

Swelling force of compressed wood made from pine sapwood. Dokl.AN
Arm.SSR 27 no.4:251-256 '58.
(MIRA 12:1)

1. Institut stroitel'nykh materialov i sooruzheniy Ministerstva
stroitel'stva Armyanskoy SSR. Predstavлено A.G. Nazarovym.
(Wood, Compressed)

ARZUMANIAN, G.A.

Effect of wood compaction on its resistance to wood-decaying fungi.
Dokl. AN Arm. SSR 28 no.4:183-186 '59. (MIRA 12:11)

1. Institut stroitel'nykh materialov i sooruzheniy Gosstroya ArmSSR.
Predstavлено академиком AN ArmSSR M.A. Ter-Karapetyanom.
(Wood)

ARZUMANYAN, G.A.; KHURSHUDYAN, P.A.

Physicomechanical properties of the wood of yew, pear, and birch
growing in Armenia. Izv. AN Arm. SSR. Biol. nauki 14 no.5:31-40
My '61. (MIRA 14:7)

1. Institut stroymaterialov i sooruzheniy Gosstroya Armyanskoy
SSR i Botanicheskiy institut AN Armyanskoy SSR.
(ARMENIA--WOOD)

ARZUMANIAN, G.A.; MAMIKONYAN, M.V.

Physicomechanical properties of the wood of beech growing in Armenia. Dokl. AN Arm. SSR 33 no.3:119-127 '61.

1. Institut stroitel'nykh materialov i sooruzheniy Gosstroya Armyanskoy SSR. Predstavлено akademikom AN Armyanskoy SSR A.G. Nazarovym.

(Armenia--Beech)
(Wood--Testing)

ARZUMANIAN, G.A.; KHURSHUDYAN, P.A.; YATSENKO-KHMELEVSKIY, A.A.

Physicomechanical properties of pine wood from the excavations of Karmir-Blur (7th century B.C.). Dokl. AN Arm. SSR 33 no.4:173-179 '61. (MIRA 15:1)

1. Institut stroitel'nykh materialov i sooruzheniy Gosstroya Armyanskoy SSR i Botanicheskiy institut AN Armyanskoy SSR. Predstavleno chленом-kорреспондентом AN Armyanskoy SSR M.Z.Simonovym. (Eriwan--Pine, Fossil)

ARMUMANYAN, G.A., kand. med. nauk. ARAHYAN, N.A., mladshiy nauchnyy
sotrudnik

Comparative data on cytologic and histologic studies of tumors.
Vsp. rent. i onk. 73343-348 '63
(MIR 1787)

PANARDZHIAN, V.A., prof.; ARMANIKER, G.L., phys. med. and radiology;
G.A., kand. med. nauk.

Detection of tumorous cells in the blood of patients with cancer.
Vop. rent. i onk. 73(67-68) '63
(Kish 378)

ARZUMANYAN, G.A. (Yerevan, ul. Nalbandyan, d. 83, kv.3)

Cytological studies on breast tumors. Vop. onk. 10 no.8:17-23 '64.
(MIRA 18:3)

1. Iz Nauchno-issledovatel'skogo instituta rentgenologii i
onkologii AMN SSSR, Yerevan (dir. - akademik AN Armyanskoy SSR
prof. V.F. Fanardzhyan).

ARZUMANYAN, G. A.

MARTIROSYAN, G.S.; ARZUMANYAN, G.A. (Yerevan)

Comparative data on cytologic and cytoscopy diagnosis of bladder neoplasms. Urologia, 22 no.1:32-35 Ja-Fe '57 (MIRA 10:5)

1. Iz urologicheskogo otdeleniya (soveduyushchiiy-professor S. S. Sharimanyan) Respublikanskoy klinicheskoy bol'nitey (glavnyy vrach G.B. Arutyunyan)

(BLADDER, neoplasms

diag., comparison of cytol. & cytoscopy data)

COUNTRY : Russia
CATEGORY : General Problems of Pathology.Tumors.
Comparative Oncology.Human Neoplasms.
ABS. JOUR. : RZhBiol., No. 23 1958, No. 107147.
AUTHOR : Arzumanyan, G.A.
INST. : Rep. Clinical Hospital of Arm SSR.
TITLE : On Methods of Cytological Diagnosis of
Tumors of the Urinary Bladder.
ORIG. PUB. : Sb.nauchn.tr.Resp.klinich.hol'nitsy arm SSR,
1957, 1, 333-337.
ABSTRACT : No abstract.

Card: 1/1

ARZUMANYAN, G. A., Candidate Med Sci (diss) -- "Microscopic (cytological) diagnosis of tumors of the bladder". Baku, 1958. 21 pp (Azerb State Med Inst im N. Narimanov), 275 copies (KL, No 24, 1959, 148)

ARZUMANYAN, G.A.

Cytological morphology of epithelial tumors of the bladder.
Izv.AN Arm.SSR.Biol. i sel'khoz.nauki 11 no.11:81-90 N '58.
(MIRA 11:12)

1. Propedevticheskaya khirurgicheskaya klinika meditsinskogo
instituta.
(BLADDER--TUMORS)

ARZUMANIAN, G.A.

Cytological diagnosis and treatment of atypical papillary fibro-
epitheliomas of the urinary bladder. Izv. AN Arm. SSR. Biol.
nauki 14 no.1:75-82 Ja '61. (MIRA 14:3)

1. Klinika obshchey khirurgii Respublikanskoy klinicheskoy
bol'nitsy.

(BLADDER—CANCER)

ARZUMANYAN, G.A., kand.med.nauk; AGABABYAN, A.Ye.

Cytological study of exudates in malignant neoplasms of serous
membranes. Vop.remt.i onk. 6:287-293 '61.
(SEROUS MEMBRANES--CANCER) (MIRA 16:2)

ARZUMANIAN, G.A., kand. med. nauk; DAYAN, O.A., klinicheskiy ordinatör;
ARUTYUNIAN, L.O., klinicheskiy ordinatör.

Diagnosis of lung cancer by the cytologic study of the sputum.
Vop. rent. i onk. 7:289-295 '63
(MIRA 17:7)

MAKEMURYAN, T.D., starshiy nauchnyy sotrudnik; ARZUMANIAN, G.A., starshiy
nauchnyy sotrudnik; DOROSHENKO, L.M., vrach.

Cytologic diagnosis of cancer of the cervix uteri. Vop. rent.
i onk. 7:349-356 *63 (MIRA 1787)

ARZUMANYAN, G.A.; PAPAZYAN, Sh.A.

Comparative data on cytological and histological studies of tumors and tumorlike formations of the lymphatic nodes.
Zhur. eksp. i klin. med. 3 no.1:25-36'63. (MIRA 16:10)

1. Institut rentgenologii i onkologii AN Armyanskoy SSR.
(LYMPHATICS — TUMORS) (DIAGNOSIS, CYTOLOGIC)

ARZUMANIAN, G.A.

Possibilities of cytological determination of different forms
of cancer and dyshormonal hyperplasia of the breast. Zhur.
eksp. i klin. med. 3 no.6:35-43 '63 (MIRA 17:4)

1. Institut rentgenologii i onkologii AMN SSSR.

TER-POGOSYAN, R.A.; ARZUMANYAN, G.A.; ZEYTUNYAN, M.A.

Early diagnosis of cancer by means of the fluorescent
cytological method. Zhur.eksp.i klin.med. 4 no.5:81-85
'64. (MIRA 18:11)

1. Yerevanskiy institut rentgeno-radiologii i onkologii
AMN SSSR.

ANDREYEV, I.S.; ZYRINA, L.V.; ARZUMAN'YAN, G.B.

Electrolysis as a method for the activation of electroluminophors.
Izv. AN Uz. SSR. Ser. fiz.-mat. nauk no.4:83-87 '61. (MIRA 14:9)

1. Tashkentskiy gosuniversitet imeni V.I.Lenina.
(Luminescent substances) (Electrolysis)

22180

24,3500

S/048/61/025/004/029/048
B117/B212

AUTHORS:

Andreyev, I. S., Arzumanyan, G. B., and Zyrina, L. V.

TITLE:

Various possibilities to stimulate electroluminescence
properties of crystals

PERIODICAL:

Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, v. 25,
no. 4, 1961, 520-522

TEXT: The present paper was read at the 9th Conference on Luminescence (crystal phosphors). The following test results are given: I. Investigating the effect of production conditions on the characteristic of ZnS-Cu electroluminophors resulted in: 1) The spectra of ZnS-Cu luminophors produced in media without HCl are somewhat shifted towards the short wave region compared to spectra of luminophors which have been produced in media with HCl; 2) the frequency dependence of the luminescence differs at a sinusoidal voltage for luminophors produced in different media; 3) not only the spectrum but also the frequency dependence will change if the annealing temperature is raised; 4) they will experience a similar change if the annealing time is changed. The optimum time is 2 hr;

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Various possibilities to...

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5) solvents will have an important but variable effect on luminosity, spectrum and frequency dependence of the luminophors. II. The investigation of the electroluminescence of single crystals has yielded the following results in the field of four electrodes which were normal to each other and at a sinusoidal voltage: 1) Absence of anisotropy of the electroluminescence properties in the crystals investigated; 2) a great influence of the electrode contact on the luminosity and its waves, especially for the case where the luminescent bands are distributed unevenly over the crystal; 3) this effect is connected with the passage of current through the crystal; 4) the form of the luminosity wave may be explained on the assumption that the illumination does not occur simultaneously at each point of the crystal. III. The investigation of luminosity maxima during a M shaped pulsating voltage applied to a capacitor (without dielectric) showed that: 1) If the potential of the transparent electrode is constantly above the second one, then the maxima of the "swelling" and "decreasing" will develop with the same rate as the voltage changes, i.e., within $\sim 10 \mu\text{sec}$; 2) the drop rate of the luminosity is by one magnitude higher than that of the increase and it is somewhat higher for the swelling maximum than for that of the decreasing maximum;

Card 2/4

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Various possibilities to...

2) if the potential of the transparent electrode is constantly below that of the 2nd electrode the maxima of the swelling and decreasing will consist of two parts: in part one, as earlier, the luminosity will increase with the rate the voltage increases or decreases; in part two, this will be $1/2 \div 1/3$ slower. The possibility to use electrolysis for the activation of ZnS luminophors has been investigated. ZnS powder has been put into a quartz container having electrodes of a wanted material then it has been annealed in nitrogen at very high temperatures ($700 \div 1000^{\circ}\text{C}$) for a certain time while a current ($0.4 \div 15$ ma) has been sent through. The relative role of the electrolysis and the diffusion during the transfer of activating substance and during the activating process has been investigated with the help of tracer atoms. The tests have shown the prevailing role of the electrolysis. Besides, they led to the assumption that the electrolysis might not only determine the acceleration of the transfer of activating elements but also the type of the swelling or it might cause other changes in the phosphorus which are favorable for the electro-luminescence. In order to check this assumption tests have been made with ZnS-AgNO_3 with the same silver concentration. This compound has been

Card 3/4

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Various possibilities to...

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B117/B212

annealed under the same conditions as used for the production of phosphorus but without applying any current. Both luminophors showed a bright blue photoluminescence. The luminophor obtained by annealing did not show electroluminescence. The electroluminescence of the luminophors obtained by electrolysis is characterized by the following data:

Potential in volts	300	400	500	600	700	900
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Luminosity in relative units	2	5.5	9.5	13	24	48
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The data obtained show that it is possible to use this method for the production of electroluminophors. There are 2 Soviet-bloc references.

ASSOCIATION: Kafedra obshchey fiziki Sredneaziatskogo gos. universiteta im. V. I. Lenina (Department of General Physics of (Soviet) Central Asia State University imeni V. I. Lenin)

Card 4/4

ACCESSION NR: AR4034484

8/0058/64/000/003/E066/E066

SOURCE: Ref. zh. Fiz., Abs. 3E527

AUTHOR: Andreyev, I. S.; Arzumanyan, G. B.; Belyalova, R. F.

TITLE: Optical and electric characteristics of photoresistances
based on Cds

CITED SOURCE: Nauchn. tr. Tashkentsk. un-t, vy*p. 221, 1963, 45-52

TOPIC TAGS: cadmium sulfide, photoresistance, electroluminescence,
light amplifier, integral sensitivity, dark current

TRANSLATION: Photoresistances made of powdered Cds, suitable for
electroluminescent light amplifiers and for the registration of weak
light fluxes, but with better characteristics than the commercial
photoresistances, were produced and investigated. The photoresistanc-
es have a large integral sensitivity, large dark resistance, large

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ACCESSION NR: AR4034484

ratio of light to dark resistances, a broad spectral sensitivity, and a lower inertia than the commercial photoresistances. The light characteristics are nonlinear; the voltage-current characteristics in previously illuminated specimens have a relaxation character, while in those kept in darkness they are almost linear, these singularities being independent of the rate of growth of the field and of the spectral composition of the light. L. Gudy*menko.

DATE ACQ: 10Apr64

SUB CODE: GE, PH

ENCL: 00

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ARZUMANYAN, G.S.

Analog of Abel'-Goncharov's interpolation problem in
operator theory. Uch.zap.Arm.gos.ped.inst.Ser.mat.
nauk no.2:5-21 '63.

A property of linear functions and its use in analysis.
Ibid.:21-24

A variant of the sieve method in the theory of prime
numbers. Ibid.:31-65

A criterion of the primality of numbers. Ibid.:67-68

(MIRA 18:11)

AUTHOR:

Arzumanyan, G. S.S/044/62/000/002/007/092
C111/C222

TITLE:

On a new generalization of the concept of derivative
Referativnyy zhurnal, Matematika, no. 2, 1962, 11,
abstract 2B55. ("Uch. zap. Yerevansk. Gos. ped. in-t.
Ser. fiz.-matem.", 1960(1961), vyp. 1, 55-73)

PERIODICAL:

TEXT:
Let B be a Banach space of functions which are defined
in the closed region $G \subset E^n$. Let B be closed relative to the multipli-
cation operation. Let Ω be a fixed operator in B , and let $\{u\}$ be
such a fixed sequence of elements that $\lim_{u \rightarrow 1} \Omega^k u = 0$ for every
 $k \geq 1$.Definition: Let A be an arbitrary operator in B . An element of B
which is defined by

$$\Theta(A) = \lim_{u \rightarrow 1} \frac{A(u \cdot y) - u \cdot A(y)}{u - 1}$$

is called the impulse of the operator A on the element y , if the right-
side limit exists and is contained in B . The properties of the operator
Card 1/2 ✓

On a new generalization of the . . .
θ are examined. An analogue of the Taylor expansion of the operator A
corresponding to the increasing powers of the impulse θ is derived.
The interpolation problem of constructing a linear differential
operator of n-th order L(Y) according to given values of its
successive impulses on given elements is solved.
[Translator's note: Complete translation.]

S/044/62/000/002/007/092
C111/C222

Card 2/2

ARZUMANIAN, S.K.

Correlation scale of the cross sections of Upper Oligocene
and Neogene formations in Oktemberyan, Eriwan, and
Nalchichevan troughs. Izv. AN Arm. SSR. Geol.i geog.nauki
15 no.4:9-18 '62.
(MIRA 15:9)

1. Upravleniye geologii i okhrany nedr pri Sovete
Ministrov Armyanskoy SSR, Ekspeditsiya "Neftterazvedka".
(Armenia—Geology, Stratigraphic)
(Nakchichevan A.S.S.R.—Geology, Stratigraphic)

ARZUMANIAN, S.K.

New data on the tectonics of the Eriwan saliferous basin.
Izv. AN Arm. SSR. Geol.i geog. nauki 15 no.2:3-14 '62.
1. Upravleniye geologii i okhrany nedr pri Sovete
ministrov Armyanskoy SSR, Ekspeditsiya "Neftterazvedka".
(MIRA 15:5)
(Eriwan region—Salt deposits)

ARZUMANIAN, S.K.

Evaluation of oil and gas potentials in the Arat Plain and adjacent regions and trends in prospecting. Izv.AN Arm.SSR.
Geol.i geog.nauki 15 no.5:59-68 '62. (MIRA 15:10)

1. Upravlniye geologii i okhrany nedr pri Sovete Ministrov
Armyanskoy SSR.
(Ararat Plain--Petroleum geology) (Ararat Plain--Gas, Natural--Geology)

ARZUMANYAN, S.K.; SIMONYAN, G.P.

Recent tectonics of the Araks salt-bearing basin. Dokl. AN Arm.
SSR 39 no.1:45-48 '64. (MIRA 17;8)

1. Upravleniye geologii i okhrany nadr pri Sovete Ministrov ArmSSR
i Yerevanskiy gosudarstvennyy universitet. Predstavлено членом-
корреспондентом AN ArmSSR A.A.Gabrielyanom.

ARZUMANYAN, YE. A.

24163

ARZUMANYAN, YE. A. Metody prizhiznennogo opredeleniya kachesta kozhi.
(Referat). Sov. zootekhnika, 1949, No. 3, S. 73-76.

SO: Letopis, No. 32, 1949.

ARZUMANYAN, Ye. A.

26575 Khoroshiy Bodopoy - vazhnoe sredstvo podnyatiya produktivnosti zhivotnykh. Sots. Zhivotnovodstvo, 1949, No. 4, s. 29-32.

SO: LETOPIS' No. 35, 1949

ARZUMANYAN, YE. A.

29774

Rol' uprazh-nyeniya V uluchshyeniia molochnogo skota. Sov. zootekhnika, 1949, No. 5, S.
14-22

SO: LETOPIS' NO. 40

AREZHANYAN, YE. A. *

33352. Opyt Plemennoy Raboty Po Soldaniyu Vysokoproduktivnogo Zhirnomolochnogo
Stada V Plemkhoze "Istok". Agrobiologija, 1949, No. 5, C. 107-12.

SO: Letopis' Zurnal'nykh Statey Vol. 45, Moskva, 1949

* i. DOLGUSHINA, N. A. i BURDIN, M. G.

All-Union Inst. Animal Husbandry,

ARZUMANYAN, H. A.

35414. Postem' rional'noe Razvitiye Kozhi Kruglovo Rogatogo Skota. Sov. Zootekhnika,
1949, No. 7, S. 52-60

SO: Letopis' Zhurnal'nykh Statey Vol. 34, Moskva, 1949

ARZUMANIAN, YE. A.

25893

Vliyanie tipa kormleniya na mikrostrukturui molochnoy zhelezы moladnayka krupnago
rogatogo skota. Trudy Vsesoyuz. nauch-issled. in-ta zhivotnovodstva, T. VIII, 1949,
s. 32-46. Bibliogr. 28 nazyv.

SO: Letopis' No. 34

ARZUMANIAN, Ye. A.

25893. ARZUMANIAN, Ye. A. Vliyanie tipa kormleniya na mikrostrukturu molochnoy zhelezы molodiyaka krupnogo pogatogo skota. Trudy Vsesoyuz. nauch.-issled. in-ta zhivotnovodstva, t. XVII, 1949, S. 32-46.--Bibliogr: 28 nazv.

S. Letopis' Zhurnal'nykh Statey, Vol. 34, Moskva, 1949

~~Arzumanyan, Ye. A.~~

1. ARZUMANIAN, Ye. A.
2. USSR (600)
4. Cattle
7. Valuable work in the field of commercial cattle breeding. ("Intervarietal cattle breeding.") N.F. Rostovtsev. Reviewed by E.A. Arzumanyan). Sov. zootekh./ No. 3, 1952
9. Monthly List of Russian Accessions, Library of Congress, June 1952. UNCLASSIFIED.
Kandidat Sel'skokhozyaystvennykh Nauk

1. ARZUMAN'YAN, YE. A.
2. USSR (600)
4. Stock and Stock Breeding; Genetics
7. Breeding according to strains. Sov. zooteckh
7 no. 5, 1952. Kandidat Sel'skokhozyaystvennykh
Nauk
9. Monthly List of Russian Accessions. Library
of Congress, July 1952. UNCLASSIFIED.

ARZUMANIAN, YE. A.

Dairy Cattle

"Kholmogorka" State Farm. Sots, zhiv. 14 No. 8, 1952.

Monthly List of Russian Acquisitions, Library of Congress, November 1952. Unclassified.

ARZUMANIAN, YE. A.

DAIRY CATTLE

Highly productive herd on the "Nikonovskoe" State Farm. Sots.zhiv. 14 no. 9, 1952.

Monthly List of Russian Accessions, Library of Congress, December 1952, Unclassified.

ARZUMAN'YAN (red)
ARZUMAN'YAN Ye.A.
1. YE. A. ARZUMAN'YAN

2. USSR (600)

4. Cattle

7. Microstructure of the skin in Tagil-East Frisian crosses. Dokl. Akad. sel'khoz. 17 no. 12, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.